

**METHOD FOR DETECTING A PROPENSITY OF
AN INDIVIDUAL TO RESPONSE EFFECTIVELY
TO TREATMENT OF INTERFERON- α AND
RIBAVIRIN COMBINED THERAPY**

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ABSTRACT OF THE DISCLOSURE

10 It is provided isolated polynucleotides that include sequences from genomic region around the gene CD 81. The polynucleotides include polymorphisms associated with treatment response of HCV patients to interferon- α and ribavirin combined therapy and are useful as the probes in screening for patients who will response to interferon- α and ribavirin combined therapy. It is further provided linkage disequilibrium structure of the CD81 gene and haplotype information within a particular LD block, which can be used for prediction of the treatment outcome of the interferon- α and ribavirin combined therapy on HCV patients.

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